

DAMA

DMP Series CNC Plasma cutting machine

Compact & Professional ISO9001:2000



Features

1. The portal of the DMP is made from an extremely strong and rigid structure, designed to meet the requirements of thin to medium thickness plasma applications.
2. The cutting table is integrated with the machine and equipped with fume extraction device.
3. There are 2 layers for table, upper for cutting area, lower one for sealed fume suction channel, easy to clean the cutting dross & pick up the parts & ensure the fume extraction performance in optimization.
4. The machine longitudinal and cross axis drives with rack, pinion and liner guide to do direct drive, especial the synchronized double side drives for the longitudinal axis, ensure the machine high speed traveling under stability.
5. DAMA plasma height sensor (STHC) with AVC control & magnetic anti-collision device.
6. Extra loading flame cutting torch is available, option with a flame cutting kit, up to 100mm for thicker carbon steel plate cutting.
7. Recommended option for outer bag type filter system that can be either located by customer side or provided by DAMA.
8. Powerful & ease to use Windows-XP PC based CNC.
9. LCD touch screen and full color high-resolution graphic display.
10. 50 preprogram and choice of CAD/CAM to suit all applications.
11. Multiple input for parts program loading, USB interface, RS-232 interface and Ethernet or wireless.
12. Both CAD's dxf and dwg files can be read directly for cutting.

SPECIFICATIONS

Model	DMP-1530	DMP-1560	DMP-1830	DMP-1860	DMP-2030	DMP-2060
Effective cutting width	1524 mm	1524 mm	1800 mm	1800 mm	2000 mm	2000 mm
Effective cutting length	3100 mm	6100 mm	3100 mm	6100 mm	3100 mm	6100 mm
Machine space (W x L) mm	3000 x 4500	3000 x 8000	3300 x 4500	3300 x 8000	3500 x 4500	3500 x 8000
Longitudinal drive	Dual AC Servo Motor / Rack / linear guide					
Transverse drive	AC Servo Motor / Rack / linear guide					
Cutting Speed	100 ~ 6000 mm/min					
Rapid Speed	18000 mm/min					
Plasma torch	DAMA STHC (AVC Control)					
Height sensing control	DAMA STHC (AVC Control)					
Plasma cutting capacity	1 ~ 50 mm, Refer to plasma model					
Plasma gas	Refer to plasma model					
Power supply (CNC use)	3 phase, 220V, 60 Hz, 5KVA					
Power supply (plasma)	Refer to plasma model					

Fume suction table as standard

PC Based NC controller : BURNY 10 SHAPE-CUTTING CONTROL

- ▶ Industrial Grade LCD 15" Touch Screen and Windows XP-based operation system.
- ▶ With Cycle Start \ Cycle Stop \ Go To \ Reverse Industrial Grade Membrane panel controls.
- ▶ 1G SRAM \ 80 GB hard drive and 1.44MB floppy drive and USB interface.
- ▶ 50 pre-programmed commonly used standard shapes. Accepts either ESSI or EIA RS274-D programming formats.

Option	1. Oxy-Fuel gas cutting kit	
	▶ One gas torch with motorized torch lifter and station	
	▶ Electric regulator & pressure gauge	
Plasma	▶ Oxy-Fuel cutting logic sequence control & operation panel	
	2. Zinc powder marking torch	
	3. Bag type filter system with 7.5 HP Fan motor.	
Plasma	HYPERTHERM	HPR-130XD (130A)
		HPR-260XD (260A)
		HPR-400XD (400A)
	HSD-130 High speed plasma (130A), MAX200 plasma (200A)	
	Powermax 1650 plasma (100A)	
DAIHEN	OTC D12000 Air plasma (120A)	
Other		

This information is subject to change without prior notice.